**Coding Standards**

**Tutoring Slugs**

1. Camel case
   1. This is especially important for file names!
2. 4 spaces per tab
   1. This can be a tab or it can be spaces, the size just must be 4
3. Avoid code duplication when possible
   1. Avoid code duplication but if it is under time pressure, completing the task is more important
4. Avoid super-long functions
5. Declare variables at the time of use
6. Avoid magic numbers
7. Minimal comments within the code
   1. Please leave explanations outside of the code unless required to explain steps
8. Minimize extensive nested conditions
9. Each function should only do one task, with exceptions for some functions
10. Limited use of Globals
11. Code should be well-documented
    1. This means having a readme when necessary or needed to explain convoluted information
12. Do not use GOTO statement
13. Focus efficiency
    1. Same with duplication, if there is time pressure, completing the task becomes more important to an extent.

Tools to aid in coding standards

1. Use VS code to aid in indentation
   1. Highlight the code then left-click and hit format document

Last Modified 12/2/23